

Amendments to the Claims

Please cancel Claims 2-5 and 7-25 without prejudice or disclaimer of the subject matter presented therein. Please amend Claims 1 and 6 and add new Claims 26-39 as follows.

1. (Currently Amended) A method for ~~providing a global reference value to tailor the~~ tailoring light output of ~~from each LED of a plurality of light emitting diodes (LEDs) in a printer or electrographic copier that exposes a charged photosensitive member to light from an array of light emitting diodes (LEDs)~~ the LEDs, the method comprising:

~~storing data signals representative of differences between the average rate of light output as a function of applied voltage or supplied current of the LEDs and the actual rate of light output as a function of applied voltage or supplied current of the LEDs; and~~

calculating a light-output correction for each of a plurality of subsets of the LEDs, each light-output correction being calculated based at least upon factors pertaining to (a) a light output from the LED subset associated with the light-output correction being calculated, and (b) an average light output from at least a plurality of subsets of the LEDs, wherein each light-output correction facilitates correction of the light output from its associated LED subset as a function of applied voltage; and

adjusting the output of the LEDs by a global amount light output from the LED subsets as a function of applied voltage in accordance with the stored difference data signals their corresponding light-output corrections.

2. – 5. (Cancelled)

6. (Currently Amended) A printer comprising:
a printhead comprising a plurality of radiation emitting recording elements ~~for recording~~ configured to record image data on a recording medium;
and
a correction device ~~for~~ configured to:
~~addressing individual recording elements with a global reference data signal;~~
~~measuring the~~ measure output emission characteristics of recording elements;
calculate an emission correction for each of a plurality of subsets of the recording elements, each emission correction being calculated based at least upon factors pertaining to (a) a radiation emission from the recording element subset associated with the emission correction being calculated, and (b) an average radiation emission from at least a plurality of subsets of the recording elements, wherein each emission correction facilitates correction of the radiation emission from its associated recording element subset as a function of applied voltage; and
~~calculating the difference between the average emission characteristic of the recording elements and the individual emission characteristic of each recording element;~~
altering the ~~output~~ radiation emission of the subsets of recording elements as a function of ~~the calculation~~ applied voltage in accordance with the emission corrections.

7 - 25. (Cancelled)

26. (New) The method of claim 1, wherein the factors pertaining to (a) and (b) include linear functions of light output versus applied voltage or supplied current.

27. (New) The method of claim 1, wherein the factors pertaining to (a) and (b) include non-linear functions of light output versus applied voltage or supplied current.

28. (New) The method of claim 27, wherein the factors pertaining to (a) and (b) include quadratic functions.

29. (New) The method of claim 1, wherein the calculating step involves using difference data describing a difference between a factor pertaining to (a) and a factor pertaining to (b).

30. (New) The method of claim 1, wherein at least one of the LED subsets includes only a single LED.

31. (New) The method of claim 1, wherein at least one of the LED subsets includes a plurality of LEDs.

32. (New) The method of claim 1, wherein the at least one LED subset including the plurality of LEDs includes a plurality of LEDs having substantially similar light-output-versus-applied-voltage or -supplied-current.

33. (New) The method of claim 6, wherein the factors pertaining to (a) and (b) include linear functions of radiation output versus applied voltage or supplied current.

34. (New) The method of claim 6, wherein the factors pertaining to (a) and (b) include non-linear functions of radiation output versus applied voltage or supplied current.

35. (New) The method of claim 34, wherein the factors pertaining to (a) and (b) include quadratic functions.

36. (New) The method of claim 6, wherein the correction device's calculation involves using difference data describing a difference between a factor pertaining to (a) and a factor pertaining to (b).

37. (New) The method of claim 6, wherein at least one of the recording element subsets includes only a single recording element.

38. (New) The method of claim 6, wherein at least one of the recording element subsets includes a plurality of recording elements.

39. (New) The method of claim 6, wherein the at least one recording element subset including the plurality of recording elements includes a plurality of recording elements having substantially similar radiation-output-versus-applied-voltage or -supplied-current.